

CLAIMS:

1. A modem tuner of one of zero intermediate frequency type and near-zero intermediate frequency type for receiving signals modulated with digital data, comprising: a first input for signals in a first frequency range f_1 to f_2 ; a second input for signals in a second frequency range f_3 and f_4 , where $f_1 > f_2 > f_3 > f_4$; a mixer selectively connectable to one of said first and second inputs; a local oscillator having band switching for supplying to said mixer a local oscillator signal in any selected one of a plurality of local oscillator frequency ranges; and channel selective filtering located exclusively downstream of said mixer.
2. A tuner as claimed in claim 1 of said zero intermediate frequency type.
3. A tuner as claimed in claim 1, in which said channel selective filtering has a variable bandwidth.
4. A tuner as claimed in claim 1, in which said channel selective filtering comprises low pass filtering.
5. A tuner as claimed in claim 1, in which said first frequency range is substantially within a first band from 50 to 900MHz.
6. A tuner as claimed in claim 1, in which said second frequency ranges is substantially within a second band from 900MHz to 2.2GHz.
7. A tuner as claimed in claim 1, in which said local oscillator frequency ranges comprise first and second local oscillator frequency ranges.
8. A tuner as claimed in claim 7, comprising a multiplexer, said mixer having a signal input, said multiplexer selectively connecting said signal input to any one of said first and second inputs.

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9. A tuner as claimed in claim 8, comprising first and second buffers connected between said first and second inputs, respectively, and said multiplexer.
10. A tuner as claimed in claim 1, in which said mixer has in-phase and quadrature outputs.

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